



INFORMATION DISCLOSURE CITATION PTO-1449			ATTY. DOCKET NO. 21200-711		SERIAL NO. 09/684,742		
			APPLICANT David C. Gelvin, et al.				
			FILING DATE October 4, 2000		GROUP 2661		
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILE DATE	
<i>[initials]</i>	5,732,074	3/24/98	Spaur, et al.	370	313	1/16/96	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>[initials]</i>	S. Natkunanathan, et al., "A Signal Search Engine for Wireless Integrated Network Sensors", ASFL Annual Symposium, March 2000, pgs. 1-4						
	Michael J. Dong, et al., "Low Power Signal Processing Architectures for Network Microsensors", 1997 International Symposium on Low Power Electronics and Design; Digest of Technical Papers (1997) pgs. 173-177.						
<i>[initials]</i>	Tsung-Hsien Lin, et al., "CMOS Front End Components for Micropower RF Wireless Systems", Proceedings of the 1998 International Symposium on Low Power Electronics & Design, pp. 11-15, August 1998						
	G. Asada, et al., "Wireless Integrated Network Sensors: Low Power Systems on a Chip", Proceedings of the 1998 European Solid State Circuits Conference (ESSCIRC), pp. 1-8 The Hague, The Netherlands, September 22-24, 1998.						
<i>[initials]</i>	Gregory J. Pottie, R&D Quarterly and Annual Status Report for AWAIRS, pp. 1-28; January 1, 1999-April 31, 1999						
	Gregory J. Pottie, et al., "Wireless Integrated Network Sensors: Towards Low Cost and Robust Self-Organizing Security Networks, SPIE Conference on Sensors, C3I, Information and Training Tech. for Law Enforcement, Boston, MA.; pp. 1-10; November 3-5, 1998						
EXAMINER <i>[signature]</i>			DATE CONSIDERED <i>5/20/00</i>				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
APR 11 2001
Technology Center 2100



INFORMATION DISCLOSURE CITATION PTO-1449			ATTY. DOCKET NO. 21200-711		SERIAL NO. 09/684,742		
			APPLICANT David C. Gelvin, et al.				
			FILING DATE October 4, 2000		GROUP 2661		
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Loren P. Clare, et al., "Self-Organizing Distributed Sensor Networks", SPIE 13 th . Annual Symposium on Aerosense/Defense Sensing, Simulation and Controls, UGS Technologies and Applications Conference, Orlando, Florida; pp. 1-9; April 5-9, 1999.						
	J. Agre, et al., "Autoconfigurable Distributed Control Systems", Proceedings of the 2 nd . International Symposium on Autonomous Decentralized Systems (ISADS 95), Phoenix, Arizona; pp. 1-8; April 25-27, 1995						
	Jonathan R. Agre, et al., "Development Platform for Self-Organizing Wireless Sensor Networks", SPIE 13 th . Annual Symposium on Aerosense/Defense Sensing, Simulation and Controls, Unattended Ground Sensor Technologies and Applications Conference, Orlando, Florida; pp. 1-12; April 5-9, 1999.						
EXAMINER				DATE CONSIDERED 5/20/07			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


**INFORMATION DISCLOSURE
CITATION**
PTO-1449
ATTY. DOCKET NO.

21200-711

SERIAL NO.

09/684,742

APPLICANT David C. Gelvin, et al.

FILING DATE 10/4/2000

GROUP 2661

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>[initials]</i>	6,208,247	3/27/2001	Agre, et al.	340	539	8/18/98
<i>[initials]</i>	4,520,674	6/4/85	Canada, et al.	73	660	11/14/83
<i>[initials]</i>	4,649,524	3/10/87	Vance	367	13	8/22/83
<i>[initials]</i>	4,812,820	3/14/89	Chatwin	340	518	7/23/86
<i>[initials]</i>	4,855,713	8/8/89	Brunius	340	506	10/7/88
<i>[initials]</i>	4,951,029	8/21/90	Severson	340	506	2/16/88
<i>[initials]</i>	5,241,542	8/31/93	Natarajan, et al.	370	95.3	8/23/91
<i>[initials]</i>	5,247,564	9/21/93	Zicker	379	40	10/24/90
<i>[initials]</i>	5,295,154	3/15/94	Meier, et al.	375	1	5/3/93
<i>[initials]</i>	5,428,636	6/27/95	Meier	375	202	5/7/93
<i>[initials]</i>	5,475,687	12/12/95	Markkula, Jr., et al.	370	85.1	7/27/93
<i>[initials]</i>	5,553,076	9/3/96	Behtash, et al.	370	95.3	5/2/94
<i>[initials]</i>	5,659,195	8/19/97	Kaiser, et al.	257	415	6/8/95

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>

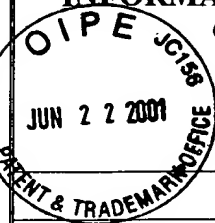







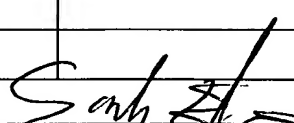
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[initials]</i>	Ann Bhatnagar, et al., "Layer Net: A New Self-Organizing Network Protocol"; 1990 IEEE Military Communications Conference, Monterey, CA., September 30 thru October 3; pgs. 845-849.
	Norman Abramson, "The Throughput of Packet Broadcasting Channels", IEEE Transactions on Communications, Vol. Com-25, No. 1, January 1977, pgs. 117-128.
<i>[initials]</i>	C. David Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol", Milcom 96 Conference Proceedings, October 22-24, 1996, pgs. 235-239.
	G. Asada, et al. "Low Power Wireless Communication and Signal Processing Circuits for Distributed Microsensors", Proceedings of 1997 IEEE International Symposium on Circuits and Systems; June 9-12, 1997, Hong Kong, pgs. 2817-2820.
<i>[initials]</i>	K. Bult, et al. "Low Power Systems for Wireless Microsensors", 1996 International Symposium on Low Power Electronics and Design; pgs. 17-21.
EXAMINER <i>[signature]</i>	DATE CONSIDERED <i>5/20/04</i>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

JUN 27 2001

INFORMATION DISCLOSURE CITATION PTO-1449 		ATTY. DOCKET NO. 21200-711		SERIAL NO. 09/684,742			
		APPLICANT David C. Gelvin, et al.		JUN 26 2001			
		FILING DATE 10/4/2000		GROSS Technology Center 2600			
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	5,726,911	3/10/98	Canada, et al.	364	550	8/22/96	
	5,852,351	12/22/98	Canada, et al.	318	490	8/20/97	
	5,854,994	12/29/98	Canada, et al.	702	56	8/23/96	
	5,907,491	5/25/99	Canada, et al.	364	468.15	4/4/97	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
						<input type="checkbox"/>	<input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Anthony Ephremides, et al. "A Design Concept for Reliable Mobile Radio Networks with Frequency Hopping Signaling"; Proceedings of the IEEE, Vol. 75, No.1, January 1987; pgs. 56-73						
	K. Bult, et al., "Wireless Integrated Microsensors"; Solid-State Sensor and Actuator Workshop, Hilton Head South Carolina, June 3-6, 1996, pgs. 205-210.						
	C. David Young, "A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol", Rockwell International Working Paper, October 25, 1995, pgs. 1-29.						
	Tsung-Hsien Lin, et al, "Wireless Integrated Network Sensors (WINS) for Tactical Information Systems", Rockwell Science Center, Thousand Oaks, January 1998, pgs. 1-6.						
	Michael J. Dong, et al. "Low Power Signal Processing Architectures for Network Microsensors"; University of California, Los Angeles, ISLPED 97, International Symposium on Low Power Electronics and Design, January 1998, pgs. 1-5.						
EXAMINER 	DATE CONSIDERED 5/20/04						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

JUN 27 2001



INFORMATION DISCLOSURE CITATION

Form PTO-1449 (Modified)
(Use several sheets if necessary)ATTY. DOCKET NO.
37302.8011SERIAL NO.
09/684,742

APPLICANT

Gelvin, *et al.*

FILING DATE

October 4, 2000

GROUP

2661

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
A	5,745,759	04/28/98	Hayden and Burgener			
A	5,737,529	04/07/98	Dolin, Jr., et al.			
A	5,794,164	08/11/98	Beckert, et al.			
A	6,009,363	12/28/99	Beckert, et al.			
A	6,028,537	02/22/00	Suman, et al.			
A	6,144,905	11/07/00	Gannon			
A	6,145,082	11/07/00	Gannon, et al.			
A	6,175,789	01/16/01	Beckert, et al.			
A	6,181,994	01/30/01	Colson and Alewine			
A	6,185,491	02/06/01	Gray and Chu			
A	6,202,008	03/13/01	Beckert, et al.			
A	6,246,935	06/12/01	Buckley			

RECEIVED

DEC 06 2001

Technology Center 2600

RECEIVED

DEC 10 2001

Group 2100

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
A	0814393	12/29/97	Europe			
A	19743137	04/01/99	Germany			
A	9917477	04/08/99	PCT			
A	2,245,963	2/26/00	Canada			
A	0054237	09/14/00	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A	Asada, G., et al., "Wireless Integrated Network Sensors (WINS)" PROCEEDINGS OF THE SPIE, SPIE, Bellingham, VA 3673:11-18 (1999).
A	Lohle, H., et al., "Bordermaster 2000- An Advanced Border Surveillance System", ELECTRICAL COMMUNICATION, Alcatel, Brussels, BE 153-158 (1994).

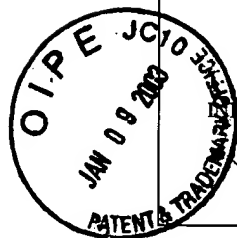
EXAMINER

DATE CONSIDERED

3/20/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449 (Modified)

ATTY. DOCKET NO.
SENS.P011APPLICATION NUMBER
09/684,742U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAPPLICANT
Gelvin, et al.INFORMATION DISCLOSURE STATEMENT
BY APPLICANTFILING DATE
October 4, 2000GROUP ART UNIT
2661

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	6,028,857	02/22/2000	Poor	370	351	07/25/97

RECEIVED

JAN 13 2003

Technology Center 2100

RECEIVED

JAN 10 2003

Technology Center 2600

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<input checked="" type="checkbox"/>	K. Sohrabi, J. Gao, V. Ailawadhi, G. Pottie, "A Self-Organizing Wireless Sensor Network," Proc. 37 th Allerton Conf. On Comm., Control, and Computing, Monticello, IL, Sept. 1999.
<input checked="" type="checkbox"/>	D.J. Baker and A. Ephremides, "The Architectural Organization of a Mobile Radio Network via a Distributed Algorithm," IEEE Transactions on Communications, Vol. Com-29, No. 11, Nov. 1981, pp. 1694-1701.
<input checked="" type="checkbox"/>	J. Elson, L. Girod, and D. Estrin, "Fine-Grained Network Time Synchronization Using Reference Broadcasts," submitted to SIGCOMM 2002.
<input checked="" type="checkbox"/>	W. Merrill, K. Sohrabi, L. Girod, J. Elson, F. Newberg, and W. Kaiser, "Open Standard Development Platforms for Distributed Sensor Networks," Aerosense Conference, Orlando, FL, April 2002.
<input checked="" type="checkbox"/>	M. Gerla and J. Tzu-Chieh Tsai, "Multicluster, Mobile, Multimedia Radio Network," ACM-Baltzer Journal of Wireless Networks, Vol. 1, No. 3, pp.255-265, 1995.
<input checked="" type="checkbox"/>	C. R. Lin and M. Gerla, "Adaptive Clustering for Mobile Wireless Networks."


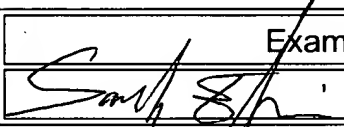
5/20/04



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Method for internetworked hybrid wireless integrated network sensors (WINS)						
<div>Application Number: 09/684742 </div> <div>Confirmation Number: 1719</div> <div>First Named Applicant: David Gelvin</div> <div>Attorney Docket Number: SENS.P011</div> <div>Art Unit: 2661</div> <div>Search string: (5760530).pn.</div> <div>RECEIVED DEC 15 2003 Technology Center 2100</div>							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	5760530	1998-06-02	Kolesar			
Signature							
Examiner Name				Date			
				5/22/04			